

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of all claims in the application.

Listing of Claims

Claims 1-20: **(Canceled)**

21. **(Currently amended)** A ~~modified~~ nucleotide triphosphate comprising a covalently attached electron transfer moiety.
22. **(Previously presented)** A nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose of said nucleotide.
23. **(Previously presented)** A nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.
24. **(Previously presented)** A nucleotide according to claim 21 wherein said electron transfer moiety is a transition metal complex.
25. **(Previously presented)** A nucleotide according to claim 24 wherein said transition metal complex comprises a ruthenium atom.
26. **(Previously presented)** A nucleotide according to claim 24 wherein said transition metal complex comprises an iron atom.
27. **(Currently amended)** A method of making a nucleic acid comprising a covalently attached electron transfer moiety, said method comprising:
  - a) providing a ~~modified~~ nucleotide comprising a covalently attached electron transfer moiety;

- b) converting said modified nucleotide into a modified nucleotide triphosphate;  
and
- c) incorporating said modified nucleotide triphosphate in a synthetic reaction to form a nucleic acid with a covalently attached electron transfer moiety.

28. **(Previously presented)** A method according to claim 27 wherein said electron transfer moiety is attached to the ribose of said nucleotide.

29. **(Previously presented)** A method according to claim 27 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.

30. **(Previously presented)** A method according to claim 27 wherein said electron transfer moiety is a transition metal complex.

31. **(Previously presented)** A method according to claim 30 wherein said transition metal complex comprises ruthenium.

32. **(Previously presented)** A method according to claim 30 wherein said transition metal complex comprises iron.